

Purchase Order Receipt Listing

Thursday, November 10, 2016 3:59:16 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO34042 Receipt Dates from 11/10/2016 to 11/10/2016 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VU-MET002 A.M. Castle & Co. (Canada) Inc.- C/O 910720											
PO34042	1		M7075T6B0.375X8.0 f		11/8/2016	11/10/2016	12.0000		0.0000	0	\$0.00
USD	No		7075-T6 Plate 0.375" f		12.0000	PLOU01			0.0000	0	
			X 8.000", QQ-A								
			250/12								
			m136103								
	2		M7075T6B5.000X0.3 f		11/8/2016	11/10/2016	12.0000		0.0000	0	\$0.00
	No		75								
			7075-T6 BAR 5.000" f		12.0000	PLOU01			0.0000	0	
			X 0.375"								
			m136103								
	3		M7075T6B6.000X0.2 f		11/8/2016	11/10/2016	12.0000		0.0000	0	\$0.00
	No		50								
			7075-T6 BAR 6.000" f		12.0000	PLOU01			0.0000	0	
			X 0.250"								
			m136103								
	4		M7075T6B6.000X1.0 f		11/8/2016	11/10/2016	12.0000		0.0000	0	\$0.00
	No		00								
			7075-T6 BAR 6.000" f		12.0000	PLOU01			0.0000	0	
			X 1.000"								
			m136103								
	6		71401-45		11/8/2016	11/10/2016	1.0000		0.0000	0	\$0.00
	No		PROCUREMENT		1.0000	PLOU01			0.0000	0	
			QUALITY								
			CLAUSES								
			m136103								

Total Received Quantity:
Total Qty to Inspect (PO U/M):
Total Reject Quantity:
Total Receipt Value:
Total Balance Due Quantity:

49.0000
0.0000
0.0000
\$0.00
0.0000


**INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE**


Page 1 of 1

Shipment No:3117003

Ship From: A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 02-NOV-16	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier ABF	BOL No 3117003-2			

Shipment Details	Final Destination Branch - TOR
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Order No 4540762	Line No 1	Item No 750067.MO	Description 0.3750.PL.7075.T651.ALUMINUM.48.5000.144.5000 CUT 2SIDED TO 8 IN (+ .1250/- .0000 IN) X 144.5 IN (+ .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12				
Purchase Order No 34042	Part Number	Ordered Qty 1.00 PCS	Invoice Qty 1.00 PCS				
Details ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavoie@dartaero.com END USER: DART-AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS <div style="float: right; text-align: right;"> DAS 26 NOV 10 2016 q-89 </div>							
Delivery No. 120638728	Mill KAISER ALUMINUM	Heat Number 	Mech Id 1	PCS 1	Width (IN)	Length (IN)	Shipped Qty(LBS) 45.4181

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A. M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative: 	Date: _____ Name: _____

SHIP TO:

A M CASTLE & CO
3050 SOUTH HYDRAULIC
WICHITA, KS 67216

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number

4423896

SOLD TO:

AM CASTLE & CO- SOLD TO
1420 KENSINGTON RD
SUITE 220
OAK BROOK, IL 60523

CUSTOMER PO NUMBER: 381969	WORK PACKAGE:	CUSTOMER PART NUMBER: 750067	SHIP RUN/LOAD: 103612/20	GOV'T CONTRACT NUMBER:		
KAISER ORDER NO: 1214279	LINE ITEM: 1	SHIP DATE: 1-JUL-2016	ALLOY: 7075	CLAD: BARE	TEMPER: T651	PRODUCT DESCRIPTION: Sawed Plate
WEIGHT SHIPPED: 3248 LB	QUANTITY: 12 PCS EST.	TRUCK B/L #: 2061108	GUAGE: 0.3750 IN (9.5250 MM)	DIAMETER/WIDTH: 48.500 IN (1231.9 MM)	LENGTH: 144.500 IN (3670.3 MM)	

MHU 2016093: LOT 178099B8: 12 pieces;

Certified Specifications

AMS 4045/RevL
CMMP 025/RevU

AMS-QQ-A-250/12/RevA

ASTM B 209/Rev14

Test Code: 1512

Test Results

Lot: 178099B8

Cast 211

Drop 90

Ingot 3

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	89.0 : 89.3 (614 : 618)	78.5 : 78.7 (541 : 543)	13.0 : 13.2

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.05	0.11	1.6	0.01	2.6	0.19	6.0	0.02	0.01	0.01	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS

AMC CA-15409 R 3



KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4423896

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO 9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.
 - * was melted in the United States of America or a qualifying country per DFARS 225.B72-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
 - * has been thermally processed in compliance with AMS 2772, where applicable.
 - * is mercury free, within the limits of detection of ASTM E1251 (< 1 ppm).
 - * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
 - * is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1907/2008.
 - * is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.



JAMES HEMENWAY, TECHNICAL PROCESS MANAGER



**INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE**

Page 1 of 1

Shipment No: 3117003

Ship From: A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 02-NOV-16	F.O.B. ORIGIN	Freight Terms Prepaid		Carrier ABF	BOL No 3117003-2		

Shipment Details

Final Destination Branch - TOR							
Order No 4540762	Line No 2	Item No 750067.MO	Description 0.3750.PL.7075.T651.ALUMINUM.48.5000.144.5000 CUT 2SIDED TO 5 IN (+ .1250/- .0000 IN) X 144.5 IN (+ .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12				
Purchase Order No 34042		Part Number	Ordered Qty 1.00 PCS	Invoice Qty 1.00 PCS			
Details ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavoie@artaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS							
Delivery No. 120638728	Mill KAISER ALUMINUM	Heat Number	Mech Id	PCS 1	Width (IN)	Length (IN)	Shipped Qty(LBS) 28.3863

DAS
26
9.88
NOV 10 2016

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A. M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative: <i>Alison K. Hayes</i>	Date: _____ Name: _____

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.
Date Printed: 02-NOV-2016 03:05:43 PM

SHIP TO:

A M CASTLE & CO
3050 SOUTH HYDRAULIC
WICHITA, KS 67216

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CERTIFIED TEST REPORT

SOLD TO:

AM CASTLE & CO- SOLD TO
1420 KENSINGTON RD
SUITE 220
OAK BROOK, IL 60523

Serial Number

4423896

CUSTOMER PO NUMBER: 381969		WORK PACKAGE:		CUSTOMER PART NUMBER: 750067		SHIP RUN/LOAD: 103612/20		GOV'T CONTRACT NUMBER:					
KAISER ORDER NO: 1214279		LINE ITEM: 1		SHIP DATE: 1-JUL-2016		ALLOY: 7075		CLAD: BARE		TEMPER: T651		PRODUCT DESCRIPTION: Sawed Plate	
WEIGHT SHIPPED: 3248 LB		QUANTITY: 12 PCS EST.		TRUCK B/L #: 2061108		GAUGE: 0.3750 IN (9.5250 MM)		DIAMETER/WIDTH: 48.500 IN (1231.9 MM)		LENGTH: 144.500 IN (3670.3 MM)			

MHU 2016093: LOT 178099B8: 12 pieces;

Certified Specifications

AMS 4045/RevL
CMMP 025/RevU

AMS:QQ-A-250/12/RevA

ASTM B 209/Rev14

Test Code: 1512

Test Results

Lot: 178099B8

Cast 211

Drop 90

Ingot 3

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	89.0 : 89.3 (614 : 616)	78.5 : 78.7 (541 : 543)	13.0 : 13.2

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.05	0.11	1.6	0.01	2.6	0.19	6.0	0.02	0.01	0.01	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS

AMC CA-15409 R 3





Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4423896

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO 9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.
 - * was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
 - * has been thermally processed in compliance with AMS 2772, where applicable.
 - * is mercury free, within the limits of detection of ASTM E1251 (< 1 ppm).
 - * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
 - * is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1907/2006.
 - * is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER




Page 1 of 1

Shipment No:3117003

Ship From:	Sold To:	Ship To:	Deliver To:
A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA

Date Shipped	F.O.B.	Freight Terms	Carrier	BOL No
02-NOV-16	ORIGIN	Prepaid	ABF	3117003-2

Final Destination Branch - TOR

Order No	Line No	Item No	Description				
4540762	3	750023.MO	0.2500.PL.7075.T651.ALUMINUM.48.5000.144.5000 CUT 2SIDED TO 6 IN (+ .1250/- .0000 IN) X 109.2 IN (+ .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12				
Purchase Order No		Part Number	Ordered Qty	Invoice Qty			
34042			1.00 PCS	1.00 PCS			
Details							
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS							
Delivery No.	Mill	Heat Number	Mech Id	PCs	Width (IN)	Length (IN)	Shipped Qty(LBS)
120638728	KAISER ALUMINUM	 1615648011		1			17.2717

DAS
26
9-89

NOV 10 2016

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We hereby certify the material conforms to the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to the Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date: _____ Name: _____

William K. Foads

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.

Date Printed: 02-NOV-2016 03:05:43 PM

SHIP TO:

A M CASTLE & CO
3050 SOUTH HYDRAULIC
WICHITA, KS 67216

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

SOLD TO:

AM CASTLE & CO- SOLD TO
1420 KENSINGTON RD
SUITE 220
OAK BROOK, IL 60523

CERTIFIED TEST REPORT

Serial Number

4404256

CUSTOMER PO NUMBER: 361527		WORK PACKAGE:	CUSTOMER PART NUMBER: 750023		SHIP RUN/LOAD: 103444/4	GOV'T CONTRACT NUMBER:	
KAISER ORDER NO: 1205164	LINE ITEM: 1	SHIP DATE: 13-JAN-2016	ALLOY: 7075	CLAD: BARE	TEMPER: T651	PRODUCT DESCRIPTION: Sawed Plate	
WEIGHT SHIPPED: 3214 LB	QUANTITY: 18 PCS EST.	TRUCK B/L #: 2058075	GAUGE: 0.2500 IN (6.3500 MM)		DIAMETER/WIDTH: 48.500 IN (1231.9 MM)	LENGTH: 144.500 IN (3670.3 MM)	

MHU 1966999: LOT 161564B0: 18 pieces;

Certified Specifications

AMS 4045/RevK
CMMP 025/RevU

DAS
48
9-89

AMS-QQ-A-250/12/RevA

ASTM B 209/Rev14

Test Code: 1512

Test Results

Lot: 161564B0

Cast 120

Drop 08

Ingot 2

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	85.7 : 85.9 (591 : 592)	75.3 : 75.6 (519 : 521)	11.7 : 12.6

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.19	1.5	0.04	2.5	0.21	5.7	0.04	0.01	0.01	TOT 0.05



KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number

4404256

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS

AMC CA-15409 R 3

AMS 4045,AMS QQ-A-250/12,ASTM B209,CMMP

025

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO-9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:

* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.

* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.

* has been thermally processed in compliance with AMS 2772, where applicable.

* is mercury free, within the limits of detection of ASTM E1251 (< = 1ppm).

* is in compliance with RoHS 2, European Union Directive 2011/65/EU.

* is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1907/2006.

* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.

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JAMES HEMENWAY, LABORATORIES SUPERVISOR




INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE


Page 1 of 1

Shipment No:3117003

Ship From: A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 02-NOV-16		F.O.B. ORIGIN		Freight Terms Prepaid		Carrier ABF	
						BOL No 3117003-2	

Shipment Details

Order No	Line No	Item No	Description
4540762	4	752188.MO	1.0000.PL.7075.T651-ALUMINUM.USL.48.5000.144.5000 CUT 2SIDED TO 6 IN (+ .1250/- .0000 IN) X 144.5 IN (+ .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No 34042		Part Number	Ordered Qty 1.00 PCS
			Invoice Qty 1.00 PCS
<p>Details</p> <p>ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY</p> <p>ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S</p> <p>Email P/s and certs to: clayvie@dartaero.com</p> <p>END USER: DART AEROSPACE</p> <p>END USE: COMMERCIAL AIRCRAFT PARTS</p> <p style="text-align: right;">NOV 10 2016 DAS 26 9-89</p>			
Delivery No. 120638728	Mill KAISER ALUMINUM	Heat Number 	Mech Id 1
		Width (IN)	Length (IN)
			Shipped Qty(LBS) 90.2818

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SHIP TO:

A M CASTLE & CO
3050 SOUTH HYDRAULIC
WICHITA, KS 67216

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

SOLD TO:

AM CASTLE & CO- SOLD TO
1420 KENSINGTON RD
SUITE 220
OAK BROOK, IL 60523

CERTIFIED TEST REPORT

Serial Number
4418079

CUSTOMER PO NUMBER: 378812		WORK PACKAGE:		CUSTOMER PART NUMBER: 752188		SHIP RUN/LOAD: 103558/22		GOV'T CONTRACT NUMBER:		
KAISER ORDER NO: 1212700		LINE ITEM: 1	SHIP DATE: 9-MAY-2016	ALLOY: 7075	CLAD: BARE	TEMPER: T651	PRODUCT DESCRIPTION: KaiserSelect Plate			
WEIGHT SHIPPED: 3626 LB		QUANTITY: 5 PCS EST.		TRUCK B/L #: 2060184		GAUGE: 1.0000 IN (25.4000 MM)		DIAMETER/MOTH: 48.500 IN (1231.9 MM)		LENGTH: 144.500 IN (3670.3 MM)

MHU 2001704: LOT 786935A7: 4 pieces;

MHU 2001832: LOT 786978A7: 1 pieces;

Certified Specifications

AMS 4045/RevK
ASTM B 209/RevJ
BSS 7055/RevB
DPS 4.713/RevAK
PS 21211/RevP

AMS-QQ-A-250/12/RevA
ASTM B 594/Rev13
CMMP 025/RevU
GAMPS 9101/RevB/AmdSCN1

AMS-STD-2154/RevA
BAC 5439/RevJ
CSTI 006/RevE
GSS16100/RevG/Amd1

Test Code: 4512

Test Results

Lot: 786935A7

Cast 189

Drop 34

Ingot 3

Parent Lot: 173930B9 Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	82.8 : 83.5 (571 : 576)	73.5 : 74.8 (507 : 516)	13.1 : 13.2

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.19	1.5	0.02	2.5	0.19	5.8	0.02	0.01	0.01	TOT 0.06



KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4418079

DAS
48
9-89

Lot: 786978A7 Cast 189

Drop 55

Ingot 2

Parent Lot: 173877B2 Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	83.1 : 83.7 (573 : 577)	74.0 : 75.0 (510 : 517)	12.9 : 13.0

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.13	1.6	0.02	2.5	0.20	5.6	0.02	0.01	0.01	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS
AMC CA-15403 R 8

TEST NOTES

Metal represented by this test report was 100% Type I
(immersion) ultrasonically tested from one side with 3mm
dead zones top and bottom and meets the Class A and Class B
requirements of all specifications referenced on this test
report. No surface marking of sonic indications is
performed.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO-9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:
* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.
* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
* has been thermally processed in compliance with AMS 2772, where applicable.
* is mercury free, within the limits of detection of ASTM E1251 (< = 1ppm).
* is in compliance with RoHS 2, European Union Directive 2011/65/EU.
* is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1807/2006.
* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

James Hemenway

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

Page 2 of 2



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075T6B6-000X.250

PO / BATCH NO.: P034042/136103

DATE: 11/11/20

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .250

QUANTITY RECEIVED: 9'

THICKNESS RECEIVED: .249

QUANTITY INSPECTED: 9'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	7075 T6
CORRECT THICKNESS	(Y) N	.249
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	AMS-QQ-A-250/12
CORRECT REF # TO LINK CERT	(Y) N	Heat # 161564 B0
CORRECT MATERIAL IDENTIFICATION	(Y) N	M7075T6B6-000X.250
CORRECT M# ON THE MATERIAL	(Y) N	u 136103
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	DAS	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>48</u>	SIGNED OFF BY: _____	
DATE: <u>11/11/20</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 7075 T6 B0.375 x 8.000

PO / BATCH NO.: P0 34042 / 136103

DATE: 16/11/20

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .375

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: .379

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	AMS-GG-A-250/12
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	.379
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	7075 T6
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	Heat # 198099B8
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	M 7075 T6 B0.375 x 8.000
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	M 136103
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 48</u> DATE: <u>9-89</u> <u>16/11/20</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 7075 T6 B5.000 X 0.375 PO / BATCH NO.: PO 34042 / 136103
 DATE: 16/11/20

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .375
 THICKNESS RECEIVED: .380
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	AMS-QQ-A-250/12
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	.380
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	7075 T6
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	Heat # 178099B8
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	M 7075 T6 B5.000 X 0.375
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	M 136103
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
 RECORD RESULTS BELOW

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION DAS <div style="text-align: center; font-size: 24px; font-weight: bold;">48</div> INSPECTED BY: <u>289</u> DATE: <u>16/11/20</u>	ENGINEERING SIGNOFF (if required) SIGNED OFF BY: _____ DATE: _____
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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075T6 B6.000x1.000

PO / BATCH NO.: P034042/136103

DATE: 16/11/21

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1.000

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: 1.009

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	AMS-QQA-250/12
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	1.009
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	7075 T6
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	Heat # 786978 A7
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	M7075T6 B6.000x1.000
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	M/136103
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	48	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9-89</u>	SIGNED OFF BY: _____	
DATE: <u>16/11/20</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34042

Purchase Order Date 10/25/2016

PO Print Date 10/25/2016

Page Number 1 of 3

Order From :

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

OCT 25 2016

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M7075T6B0.375X8.000	7075-T6 Plate 0.375" X 8.000", QQ-A 250/12	11/8/2016 Yes 11/8/2016	FN	12.00 f	\$24.84	\$298.08
MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE							Line Total: \$298.08
2	M7075T6B5.000X0.375	7075-T6 BAR 5.000" X 0.375"	11/8/2016 Yes 11/8/2016		12.00 f	\$17.09	\$205.08
MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE							Line Total: \$205.08

Note:

10/25/2016

NOV 10 2016

DAS
26
9-89



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34042

Purchase Order Date 10/25/2016

PO Print Date 10/25/2016

Page Number 2 of 3

Order From :

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

3	M7075T6B6.000X0.250	7075-T6 BAR 6.000" X 0.250"	11/8/2016	12.00	\$15.64	\$187.68
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Yes

f

11/8/2016

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$187.68

4	M7075T6B6.000X1.000	7075-T6 BAR 6.000" X 1.000"	11/8/2016	12.00	\$41.34	\$496.08
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Yes

f

11/8/2016

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$496.08

DAS
26
9-89

NOV 10 2016

Note:

10/25/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34042

Purchase Order Date 10/25/2016

PO Print Date 10/25/2016

Page Number 3 of 3

Order From :

VU-MET002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

5	M7075T6B7.000X2.000	7075-T6 BAR 7.000" X 2.000" (order in billets - 13.375")	11/8/2016	11.15	✓	\$89.27	\$995.00
		Yes		f		NOV 08 2016	
			11/8/2016				

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

NOTE: CUT 10 PCS AT 13.375", GRAIN DIRECTION ALONG 13.375"

DAS
26
9-89

6	71401-45	PROCUREMENT QUALITY CLAUSES	11/8/2016	1.00	✓	\$0.00	\$0.00
		No					
			11/8/2016				

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

DAS
26
9-89

NOV 10 2016

Line Total: \$0.00

PO Total: \$2,181.92

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 10/25/2016